

Shawee

PCT

RAW SEQUENCE LISTING

DATE: 06/12/2001

PATENT APPLICATION: US/09/787,879A

TIME: 11:24:56

Input Set : A:\2553Seq.txt

Output Set: N:\CRF3\06112001\I787879A.raw

ENTERED

3 <110> APPLICANT: WATANABE, Takyu
 4 TERAQ, Masako
 5 MATSUI, Hioki
 8 <120> TITLE OF INVENTION: Novel G-Protein Coupled Receptor Protein and DNA Thereof
 10 <130> FILE REFERENCE: 1553USOF
 12 <140> CURRENT APPLICATION NUMBER: US 09/787879A
 C--> 13 <141> CURRENT FILING DATE: 2001-05-14
 15 <150> PRIOR APPLICATION NUMBER: PCT/JP99/05366
 16 <151> PRIOR FILING DATE: 1999-09-30
 18 <150> PRIOR APPLICATION NUMBER: JP 10-279535
 19 <151> PRIOR FILING DATE: 1998-10-01
 21 <160> NUMBER OF SEQ ID NOS: 6
 23 <210> SEQ ID NO: 1
 24 <211> LENGTH: 321
 25 <212> TYPE: PRT
 26 <213> ORGANISM: Human
 28 <400> SEQUENCE: 1
 30 Met Asp Ser Thr Ile Pro Val Leu Gly Thr Glu Leu Thr Pro Ile Asn
 31 5 10 15
 32 Gly Arg Glu Gln Thr Pro Cys Tyr Lys Gln Thr Leu Ser Phe Thr Gly
 33 20 25 30
 34 Leu Thr Cys Ile Val Ser Leu Val Ala Leu Thr Gly Asn Ala Val Val
 35 35 40 45
 36 Leu Trp Leu Leu Gly Cys Arg Met Arg Arg Asn Ala Val Ser Ile Tyr
 37 50 55 60
 38 Ile Leu Asn Leu Val Ala Ala Asp Phe Leu Phe Leu Ser Gly His Ile
 39 65 70 75
 40 Ile Cys Ser Pro Leu Arg Leu Ile Asn Ile Arg His Pro Ile Ser Lys
 41 85 90 95
 42 Ile Leu Ser Pro Val Met Thr Phe Pro Tyr Phe Ile Gly Leu Ser Met
 43 100 105 110
 44 Leu Ser Ala Ile Ser Thr Glu Arg Cys Leu Ser Leu Leu Trp Trp Ile
 45 115 120 125
 46 Trp Tyr Phe Cys Arg Arg Ile Arg Tyr Leu Ser Ser Val Met Cys Val
 47 130 135 140
 48 Leu Leu Trp Ala Leu Ser Leu Leu Arg Ser Ile Leu Glu Trp Met Ile
 49 145 150 155 160
 50 Cys Asp Phe Leu Phe Ser Gly Ala Asp Ser Val Trp Cys Glu Thr Ser
 51 165 170 175
 52 Asp Phe Ile Thr Ile Ala Trp Leu Val Ile Leu Cys Val Val Leu Tyr
 53 180 185 190
 54

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/787,879A

DATE: 06/12/2001

TIME: 11:14:00

Input Set : A:\2553Seq.txt

Output Set: N:\CRF3\06112001\I787879A.raw

```

60 Arg Ile His Leu Asp Trp Lys Val Leu Phe Cys His Val His Leu Val
61           245           250           255
62 Ser Ile Phe Leu Ser Ala Leu Asn Ser Ser Ala Asn Pro Ile Ile Tyr
63           260           265           270
64 Phe Phe Val Gly Ser Phe Arg Gln Arg Gln Asn Arg Gln Asn Leu Leu
65           275           280           285
66 Leu Val Leu Gln Arg Ala Leu Gln Asp Thr Pro Glu Val Asp Glu Gly
67           290           295           300
68 Gly Gly Trp Leu Pro Gln Glu Thr Leu Glu Leu Ser Gly Ser Arg Leu
69 305           310           315           320
70 Glu Gln
71           322
72
73 1210 * SEQ ID NO: 2
74 1211 * LENGTH: 322
75 1212 * TYPE: PRT
76 1213 * ORGANISM: Human
77 1400 * SEQUENCE: 2
80 Met Asp Ser Thr Ile Pro Val Leu Gly Thr Glu Leu Thr Pro Ile Asn
81           5           10           15
82 Gly Arg Glu Gln Thr Pro Cys Tyr Lys Gln Thr Leu Ser Phe Thr Gly
83           20           25           30
84 Leu Thr Cys Ile Val Ser Leu Val Ala Leu Thr Gly Asn Ala Val Val
85           35           40           45
86 Leu Trp Leu Leu Gly Cys Arg Met Arg Arg Asn Ala Val Ser Ile Tyr
87           50           55           60
88 Ile Leu Asn Leu Val Ala Ala Asp Phe Leu Phe Leu Ser Gly His Ile
89 65           70           75           80
90 Ile Cys Ser Pro Leu Arg Leu Ile Asn Ile Arg His Pro Ile Ser Lys
91           85           90           95
92 Ile Leu Ser Pro Val Met Thr Phe Pro Tyr Phe Ile Gly Leu Ser Met
93           100          105          110
94 Leu Ser Ala Ile Ser Thr Glu Arg Cys Leu Ser Ile Leu Trp Pro Ile
95           115          120          125
96 Trp Tyr His Cys Arg Arg Pro Arg Tyr Leu Ser Ser Val Met Cys Val
97           130          135          140
98 Leu Leu Trp Ala Leu Ser Leu Leu Arg Ser Ile Leu Glu Trp Met Phe
99 145          150          155          160
100 Cys Asp Phe Leu Ile Ser Gly Ala Asn Ser Thr Trp Tyr His Thr Leu
101           165          170          175          180
102 Asp Phe Ile Thr Ile Ala Tyr Leu Val Phe Leu Tyr Thr Ser Ile Tyr
103           180          185          190
104 Gly Ser Ser Leu Val Leu Leu Val Arg Ile Leu Cys Gly Ser Arg Cys
105           195          200          205
106 Met Pro Leu Thr Arg Leu Tyr Val Thr Ile Leu Leu Thr Val Leu Val
107           210          215          220
108 Phe Leu Leu Cys Gly Leu Pro Phe Gly Ile Thr Thr Arg Leu Ile Ser

```

RAW SEQUENCE LISTING

DATE: 06/12/2001

PATENT APPLICATION: US/09/787,879A

TIME: 11:24:56

Input Set : A:\2553Seq.txt

Output Set: N:\CRF3\06112001\I787879A.raw

```

112 Ser Ile Phe Leu Ser Ala Leu Asn Ser Ser Ala Asn Pro Ile Ile Tyr
113          260          265          270
114 Phe Phe Val Gly Ser Phe Arg Gln Arg Gln Asn Arg Gln Asn Leu Lys
115          275          280          285
116 Leu Val Leu Gln Arg Ala Leu Gln Asp Thr Pro Glu Val Asp Glu Gly
117          290          295          300
118 Gly Gly Trp Leu Pro Gln Gln Thr Leu Glu Leu Ser Gly Ser Arg Leu
119 305          310          315          320
120 Gln Gln
121          322
122
123 #210 - SEQ ID NO: 3
124 #211 - LENGTH: 369
125 #212 - TYPE: DNA
126 #213 - ORGANISM: Human
127 #400 - SEQUENCE: 3

```

```

C--> 130 atggattcaa ccattccagt cttgggtaca gaactgacac caatcaacgg acgtgaggag 60
131 actccttggc acagcagac cctgagcttc acggggctga cgtgcacgt ttcccttgc 120
132 gcctgacag gaaacgggt tctgtctgg ctccctgggt gcgcacgtg caggaaacgt 180
133 gttccatct acatcctcaa cctggtcgg gcgcacttc tcttccttag cggccacatt 240
134 atatgttgc cgttaagcct catcaatata cgcacatcca tctccaaaat cctcagtcct 300
135 gtgatgacct ttccctact tataggccta agcatgctga gcgcacacag caccgagcgc 360
136 tgcctgtcca tctctgtgac catctgttac cactgcgcgc gccccagata cctgtcctgc 420
137 gtcctgtgtg tctgtctctg ggcctgttcc ctgtgcggga gtatcctgga gtggtgttgc 480
138 ctgacatttc tctttagtgg tctgtattct gtctgtgtg aaacgtcaga ttccattaca 540
139 atcgtgtgac tggtttttt atgtgtgtgt ctctgtgggt ccagccttgt cctgtgtgtc 600
140 aggtattctt tgggtacccg gaagatgcgc ctgaccaggg tgtacgtgac cactcctctc 660
141 acagtgtctg tctcctcct cctgtggcctg ccccttgcca ttcagtgggc cctgttttcc 720
142 aggtaccacc tggattggaa agtcttatt tgcctgtgac atctagttaa cattttctgt 780
143 tccgctctta acagcagtc caaccacata atttacttct tctgtggctc ctttaggcag 840
144 cgtcaaaaata ggcagaacct gaagctgggt ctccagaggg ctctgcagga caccctgag 900
145 gtggatgaag gtgpaggtg gcttctcag gaaacctgg acctgtcggg aacagattg 960
146 gaggcagta
147
148 #210 - SEQ ID NO: 4
149 #211 - LENGTH: 369
150 #212 - TYPE: DNA
151 #213 - ORGANISM: Human
152 #400 - SEQUENCE: 4

```

```

C--> 155 atggattcaa ccattccagt cttgggtaca gaactgacac caatcaacgg acgtgaggag 60
156 actccttggc acagcagac cctgagcttc acggggctga cgtgcacgt ttcccttgc 120
157 gcctgacag gaaacgggt tctgtctgg ctccctgggt gcgcacgtg caggaaacgt 180
158 gttccatct acatcctcaa cctggtcgg gcgcacttc tcttccttag cggccacatt 240
159 atatgttgc cgttaagcct catcaatata cgcacatcca tctccaaaat cctcagtcct 300
160 gtgatgacct ttccctact tataggccta agcatgctga gcgcacacag caccgagcgc 360
161 tgcctgtcca tctctgtgac catctgttac cactgcgcgc gccccagata cctgtcctgc 420
162 gtcctgtgtg tctgtctctg ggcctgttcc ctgtgcggga gtatcctgga gtggtgttgc 480
163 ctgacatttc tctttagtgg tctgtattct gtctgtgtg aaacgtcaga ttccattaca 540

```

RAW SEQUENCE LISTING

DATE: 06/12/2001

PATENT APPLICATION: US/09/787,879A

TIME: 11:04:16

Input Set : A:\2553Seq.txt

Output Set: N:\CRF3\06112001\I787879A.raw

```

167 aggatccacc tggattggaa agtattatatt tgteatgtgc atctagtttc catitttctg 730
168 tccgctctta acagcagtg ccaacccatc atttactttc tcttaggctc ctttaggcag 840
169 cgtcaaaaata ggcagaccc gaagctgggt ctcacagagg cctctgcagga caccctctgag 900
170 gtggatgaag ggggagggtg gcttctcag gaaacccctg agctgtcggg aagcagattg 960
171 gagcagtgga

```

173 <210> SEQ ID NO: 5

174 <211> LENGTH: 30

175 <212> TYPE: DNA

C--> 176 <213> ORGANISM: Artificial

178 <220> FEATURE:

179 <223> OTHER INFORMATION: primer

181 <400> SEQUENCE: 5

C--> 183 gtcqacatgg attcaaccat cccagtcttg 30

185 <210> SEQ ID NO: 6

186 <211> LENGTH: 30

187 <212> TYPE: DNA

C--> 188 <213> ORGANISM: Artificial

190 <220> FEATURE:

191 <223> OTHER INFORMATION: primer

193 <400> SEQUENCE: 6

C--> 195 actagttcac tgctccaatc tgcttcccga 30

VERIFICATION SUMMARY

DATE: 06/12/2001

PATENT APPLICATION: US/09/787,879A

TIME: 11:24:57

Input Set : A:\2553Seq.txt

Output Set: N:\CRF3\06112001\I787879A.raw

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:130 M:112 C: (48) String data converted to lower case,
M:112 Repeated in SeqNo=3
L:155 M:112 C: (48) String data converted to lower case,
M:112 Repeated in SeqNo=4
L:176 M:220 C: Keyword misspelled or invalid format, -213- ORGANISM for SEQ ID#:5
L:183 M:112 C: (48) String data converted to lower case,
L:188 M:220 C: Keyword misspelled or invalid format, -213- ORGANISM for SEQ ID#:6
L:195 M:112 C: (48) String data converted to lower case,